

## AMENDMENTS TO THE CLAIMS

Claims 1-10 (Canceled)

Claim 11 (Currently Amended): A reactor which is divided into a plurality of sections (~~R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>~~), which are separated from one another by dividing walls (~~2, 2', 2''~~) each having at least one orifice (~~3, 3', 3''~~), and which has a nozzle (9) extending into the first section (~~R<sub>1</sub>~~), means for feeding in and removing the substances involved and means for controlling the temperature in the sections (~~R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>~~).

Claim 12 (Currently Amended): A reactor as claimed in claim 11, wherein the dividing walls (~~2, 2', 2''~~) each have an orifice (~~3, 3', 3''~~) which is present substantially in the center of the dividing wall.

Claim 13 (Currently Amended): A reactor as claimed in claim 11 ~~or 12~~, wherein the nozzle ~~9-used~~ used is a jet nozzle, mixing nozzle or binary nozzle.

Claim 14 (Currently Amended): A reactor as claimed in ~~any of claims 11 to 13 claim~~ 11, wherein an annular tube (6) having a plurality of outlet orifices and a line (5) for feeding in a starting material is provided in the region of the bottom in the first section (~~R<sub>1</sub>~~).

Claim 15 (Currently Amended): A reactor as claimed in ~~any of claims 11 to 14 claim~~ 11, wherein the volume of the first section (~~R<sub>1</sub>~~) is greater than that of the remaining sections and accounts for from 25 to 50% of the total reactor volume.

Claim 16 (Currently Amended): A reactor as claimed in ~~any of claims 11 to 15~~ claim 11, wherein the first and/or second section (R1, R2) is equipped with static mixing elements.

Claim 17 (Currently Amended): A reactor as claimed in ~~any of claims 11 to 16~~ claim 11, wherein a nozzle for mixing the content of the second section (R2) is provided and is arranged in such a way that its outlet orifice is present in the orifice (3), roughly in the plane of the dividing wall (2).